

Application. No. 10/612,262
Amendment dated January 18, 2005
Reply to Office Action of December 16, 2004

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (currently amended): A clothes dryer system comprising, in combination, a modified clothes dryer comprising a clothes-drying chamber having a motor-driven, rotating drum, and a home heating apparatus, said modified clothes dryer being modified for accepting adapted to receive heated fluid from said home heating apparatus, and having supporting means a heat-exchanging radiator disposed proximate to and operatively connected to said clothes-drying chamber for transferring heat from said heated fluid to clothes that are to be dried and deposited therein, wherein said supporting means comprises a radiator for accepting heated fluid and for radiating heat to surrounding air circulated within said modified clothes drier.

Claim 2 (currently amended): The clothes dryer system in accordance with claim 1, further comprising air means for circulating means air disposed within said modified clothes dryer wherein said circulating means comprises a fan.

Claim 3 (currently amended): The clothes dryer system in accordance with claim 1, further comprising a sensor disposed in said modified clothes dryer for sensing when clothes deposited into said clothes dryer drying chamber have reached a dry condition, said sensor sending a signal to said heating apparatus to terminate the flow of heating said heated fluid to said modified clothes dryer in response to said dry condition.

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Claim 4 (currently amended): The clothes dryer system in accordance with claim 1, further comprising a control panel supported by said modified clothes dryer, said control panel having means ~~to~~ for generating a signal instructing said heating apparatus to supply said heated fluid to said modified clothes dryer.

Claim 5 (currently amended): The clothes dryer system in accordance with claim 3, further comprising a timer that is settable to deactivate input flow of said heated fluid into said modified clothes dryer when ~~either condition occurs said dry condition or~~ said timer expires.

Claim 6 (currently amended): The clothes dryer system in accordance with claim 1, further comprising a timer disposed in said modified clothes dryer for setting a predetermined time interval, said timer sending a signal to said heating apparatus to terminate the flow of heating said heated fluid to said modified clothes dryer when said predetermined time interval has expired.

Claim 7 (cancelled)

Claim 8 (currently amended): The clothes dryer system in accordance with claim 2, further comprising a filter operatively connected to said fan means for circulating air for filtering out laundry lint.

Claim 9 (currently amended): A clothes drier for heating wet or damp clothes using heat obtained from a home heating apparatus, said clothes dryer having a rotating drum for tumbling clothes, said rotating drum comprising an inner chamber for accepting clothes needing to be dried, drive means disposed in said clothes dryer for rotating said rotating drum, an air circulating means for circulating air through said inner chamber, a heat-exchanging means radiator external to and non-contiguous with said rotating drum for accepting heated fluid from said home heating apparatus and transferring its heat to said air being circulated in said inner chamber of said rotating drum, wherein said heat-exchanging means

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~~comprises a radiator for accepting heated fluid, and for transferring heat to said drying drum, whereby said clothes are heated, tumbled, and dried.~~

Claim 10 (original): The clothes dryer in accordance with claim 9, further comprising a sensor disposed within said clothes dryer for sensing when clothes are substantially dry, said sensor providing a signal to terminate said heated fluid being supplied by said home heating apparatus.

Claim 11 (original): The clothes dryer in accordance with claim 9, further comprising a control panel supported by said clothes dryer, said control panel having means to signal said home heating apparatus to supply heated fluid to said clothes dryer.

Claim 12 (cancelled)

Claim 13 (original): The clothes dryer in accordance with claim 9, further comprising exhaust means for exhausting moisture-laden air, said exhaust means disposed at a rear portion of said clothes dryer, and having communication with said inner chamber.

Claim 14 (original): The clothes dryer system in accordance with claim 9, wherein said air circulating means comprises a fan.

Claim 15 (currently amended): A clothes dryer that uses heated fluid from a home heating apparatus, comprising a clothes drying drum supported in a housing, said clothes drying drum having an inner chamber for tumbling clothes in need of drying, ~~a heat-exchanging means radiator supported in said housing and non-contiguous with said clothes drying drum for accepting heat heated fluid from said heating apparatus, wherein said heat exchanging means is a radiator for accepting heated fluid, and for transferring heat to said drying drum and said clothes being tumbled therein.~~

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Claim 16 (original): The clothes dryer in accordance with claim 15, further comprising a sensor disposed within said clothes dryer for sensing when clothes are substantially dry, said sensor providing a signal to terminate said heated fluid being supplied by said heating apparatus.

Claim 17 (original): The clothes dryer in accordance with claim 15, further comprising a timer that is settable to deactivate input of heated fluid into said clothes dryer when dry condition occurs or timer expires, whichever comes first.

Claim 18 (original): The clothes dryer in accordance with claim 15, further comprising a control panel supported by said clothes dryer, said control panel having means to signal said heating apparatus to supply heated fluid to said clothes dryer.

Claim 19 (cancelled)

Claim 20 (original): The clothes dryer in accordance with claim 15, further comprising exhaust means for exhausting moisture-laden air, said exhaust means disposed at a rear portion of said clothes dryer, and having communication with said inner chamber.

Claim 21 (currently amended): A clothes dryer system comprising, in combination, a modified clothes dryer comprising a clothes-drying chamber having a motor-driven, rotating drum, and a heating element, and a home heating apparatus, said modified clothes dryer being modified by generating adapted for heating a fluid passed therethrough to produce a heated fluid, said heated fluid being useful for heating a home, and having supporting means for transferring heat from said heated fluid to clothes that are to be dried and deposited therein, wherein said supporting means comprises a radiator for accepting heated fluid and for radiating heat to surrounding air circulated within said modified clothes drier.

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Claim 22 (currently amended): The clothes dryer system in accordance with claim 21, further comprising ~~air~~ means for circulating ~~means~~ air disposed within said modified clothes dryer, ~~wherein said air circulating means comprises a fan.~~

Claims 23 - 26 (cancelled)